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## DYCO PETROLEUM CORPORATION

607 Philtower Building, Tulsa, Oklahoma 74103

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DRILLING REPORT

Meeker Dome Prospect - 72-1  
 Anderson #1  
 Section 17, T. 1 N., R. 93 W.,  
 Rio Blanco County, Colorado  
 5500' Lower Weber Test  
 Dyco Petroleum Corp. - 50%

Contractor: Willard Pease Drilling Company  
 Denver, Colorado

August 22, 1972	Moving in rotary tools.
August 23, 1972	Moving in rotary tools.
August 24, 1972	Rigging up rotary tools.
August 25, 1972	230' drilling sand. 1/2" @ 130'; 3/4" @ 215'
August 26, 1972	420' w/9-7/8" hole, reaming to 15" @ 165' 1-1/4" @ 420'
August 27, 1972	420' w/9-7/8" hole - reamed to 15" Ran 420 - 10-3/4" casing set at 402' Cemented 2/325 Sx + 2% Cacl Cement Circ to Surface
August 28, 1972	490' drilling sand 7-7/8" 8.5-38-6CC Dakota @ 420' BH Assembly - Square collar, BH Reamer - Stabilizer
August 29, 1972	770' drilling shale, 7-7/8", Wt. 8.8, Vis. 38, Wtr. loss 6. 1-1/2" @ 480' & 600'.
August 30, 1972	995' Drilling sand - 2-1/4" @ 950'. <u>Hit water flow @ 855',</u> <u>approximately 100 bbls. per hour, 1% salt, 10,000 parts per</u> <u>million. Drilling this morning with clear water. Entrada Top - 963'</u>
August 31, 1972	1360' Conditioning mud - 2-1/4" @ 1260'. <u>Wtr. flow increased</u> <u>300 bbls per hr @ 1100' &amp; 1,000 bbls/hr. @ 1200'. Preparing</u> <u>to ream hole to run casing. Top - Chinle, 1300'.</u>
September 1, 1972	1360' trying to kill well with 12# mud prior to reaming hole.
September 2, 1972	1383', went in hole w/drill pipe open ended, circ. 12# mud, lost returns, reduced to 11#, lost returns, loaded w/LCM, now circulating w/ 30%-50% returns w/11# mud.
September 3, 1972	770' reaming, 9-7/8", Wt. 10.5, Vis. 70, 25% lost circulation material
September 4, 1972	1140' reaming, 9-7/8", Wt. 10.5, Vis. 60, 25% lost circulation materials
September 5, 1972	1365' T.D. - 9-7/8", Ran & cemented 1377', 8-5/8", 24# w/100 sx. 3% calcium cl., 25% gilsonite, 25 sx. of neat cement. <u>Pipe set</u> <u>1365' K.B., Plugged down at 3:30 a.m. WOC.</u>
September 6, 1972	1385', sand, 7-7/8" - Wt. 9.5, Vis. 40, Wtr. loss 8 Drilled plug, 30' cement, & formation. No pressure on 10-3/4"- 8-5/8" annulus. Collars on 8-5/8" turned down to 9-3/16".
September 7, 1972	1444' drilling shale - 2-1/4" @ 1410'. Wt. 9.7#, Vis. 50
September 8, 1972	1632' drilling shale - 7-7/8" - Wt. 9.5, Vis. 46, Wtr. loss 7



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September 9, 1972 1860' drilling shale, 2-1/2° @ 1624'; Wt. 9.6, Vis. 45; Wtr. loss 7.  
September 10, 1972 2048' ; tripping, shale; Wt. 9.1, Vis. 43, Wtr. loss 9.4  
September 11, 1972 2210' , tripping, lime; Wt. 9.6; Vis. 45; Wtr. loss - 8;  
3-1/2° @ 2200'.  
September 12, 1972 2302' , drilling sand, Wt. 9.6, Vis. 45; 3-1/4° @ 2300'.  
September 13, 1972 2350' drilling, Wt. 9.6, Vis. 47  
September 14, 1972 2404' drilling sand. 3-1/4° @ 2300'; Wt. 9.5, Vis. 44  
September 15, 1972 2467' drilling sand, 7-7/8" hole; Wt. 9.6, Vis. 46; Wtr. loss 6;  
4-1/4° @ 2400'  
September 16, 1972 2596' drilling sand - 7-7/8"  
September 17, 1972 2681' drilling sand & shale, 4-1/4° @ 2650'; Wt. 9.6, Vis. 46.  
September 18, 1972 2826' drilling sand, 4-1/2° @ 2650'; Wt. 9.6, Vis. 43, Wtr. loss 6.5  
September 19, 1972 2981' drilling sand, 4-1/4° @ 2650'; Wt. 10#, Vis. 38  
September 20, 1972 3085' drilling sand - 7-7/8"; 5-1/2° @ 3030'.  
September 21, 1972 3284' drilling sand, 5-3/4° @ 3200'; Wt. 9.6, Vis. 44; Wtr. loss - 7.  
September 22, 1972 3450' drilling sandy shale, Wt. 9.6, Vis. 43, Wtr. loss - 6.  
6° @ 3410'.  
September 23, 1972 3585' drilling sand & anhy., Wt. 9.6, Vis. 46, Wtr. loss 6  
September 24, 1972 3689' drilling sand & anhy., 6-3/4° @ 3600'; Wt. 9.5, Vis. 50;  
Wtr. loss 8.  
September 25, 1972 3820' drilling sand & anhy., 7° @ 3800; Wt. 9.6, Vis. 45, Wtr. loss 8  
September 26, 1972 3952' drilling anhy. & sand - 7-7/8", 7-1/4° @ 3818' - Wt. 9.6  
Vis. 65, Wtr. loss 7.6  
September 27, 1972 4136' drilling sand - 7-7/8", Wt. 9.6, Vis. 45, Wtr. loss 8  
60' drilling break - Took 50 bbls. mud.  
September 28, 1972 4192' drilling sand - 7-7/8", 8° @ 4170'; Wt. 9.6, Vis. 46, Wtr. loss 7  
September 29, 1972 4300' drilling sand, 8° @ 4170'; Wt. 9.6, Vis. 46, Wtr. loss 6.8  
September 30, 1972 4414' drilling sand & shale - 8-3/4° @ 4400. Wt. 9.6, Vis. 45, Wtr. loss 8  
October 1, 1972 4520' drilling anhy & sand conglomerate; Wt. 9.5, Vis. 43, Wtr. loss 7.6  
October 2, 1972 4634' drilling sand & anhy conglomerate; Wt. 9.6, Vis. 43, Wtr. loss 7.8  
October 3, 1972 4709' drilling sand and anhy., 7-7/8"; 9 @ 4680'; Wt. 9.7, Vis. 44,  
Wtr. loss 6.8  
October 4, 1972 4819' drilling lime & Anhy.; 9-1/4° @ 4800'; Wt. 9.6, Vis. 45;  
Wtr. loss 7.  
October 5, 1972 4900' drilling lime - 7-7/8"; Wt. 9.6, Vis. 44; Wtr. loss 7.  
October 6, 1972 4937' drilling chert, shale, lime; 7-7/8"; Wt. 9.6, Vis. 45, Wtr. loss 6.8  
WO - 16 - 2-1/4 hrs. (Used 3 bits, last 24 hrs) - 70 rpm; Still have  
square collar & B.M. Assembly.  
October 7, 1972 5020' drilling sand & lime; 9-1/2° @ 4975'; Wt. 9.7, Vis. 43; Wtr. loss 6.8  
October 8, 1972 5118' drilling sand, lime & chert; 7-7/8"; Wt. 9.7, Vis. 44; Wtr. loss 7  
October 9, 1972 5182' drilling sand & shale; 7-7/8"; Wt. 9.7, Vis. 45; Wtr. loss 7.5  
9-1/2° @ 5090'.  
October 10, 1972 5236' , tripping, Mud Wt. 9.8; Vis. 45; Bit #32.  
/October 11, 1972 5325' tripping lime; Wt. 9.8; Vis. 44; Had Mud Unit gas show 5292'-5320;  
Max. 80 units from black carbeneous shale.



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October 12, 1972      5386' drilling sand & shale; Prep. to log; 7-7/8"; Mud Wt. 9.9;  
                                 Vis. 55; Wtr. loss 68.  
October 13, 1972      5386' DST - shale; 7-7/8"; NND; Mud Wt. 9.9; Vis. 55; Wtr. loss  
                                 6.8; Run Dual Induction - Lateralog; Gr-BHC Density, Compensated  
                                 Neutron Log; DST#1 5234' - 5386'; 152 Ft. of interval; Tool Open  
                                 5 minutes with very strong blow; Closed 70 minutes, open 60 minutes  
                                 with brackish wtr. to surface in 52 minutes (no gas). No Final  
                                 Shut-in due to failure of Tool to close with rotation.  
  
                                 IHP - 2677#  
                                 IFP - 695# - 1103#  
                                 ISIP - 2354#  
                                 2ndFP 1264# - 2273#  
                                 FSIP - None  
                                 FHP - 2697#  
  
October 14, 1972      5386' TD; Prep. to Plug & abandon; DST #2-5270-5330' - 10" Preflow;  
                                 Shut-in 60"- open 1-1/2 hrs. with faint blow. Shut-in 2-1/2 hrs.;  
                                 Rec. 10' mud.  
                                 IHP 2736#  
                                 IFP 12#  
                                 ISIP 78#  
                                 FFP 14#  
                                 FSI 78#  
                                 FHP 2755#  
  
October 15, 1972      5386' TD; Set cement plugs as follows:  
                                 35 SX 3900'-4000'  
                                 25 Sx 2300'-2400'  
                                 15 Sx 1400'-1350'

FINAL REPORT.



## SPECIAL PRESSURE DATA

LITTLE'S

Gauge No.		1531		Depth		5211'		Clock No.		6744		12 hour		Ticket No.		375239	
First Flow Period		First Flow Period		First Flow Period		Second Flow Period		Second Flow Period		Second Flow Period		Third Flow Period		Third Flow Period		Third Flow Period	
Time Defl. Temp. Corr.	PSIG	Time Defl. Temp. Corr.	PSIG	Time Defl. Temp. Corr.	PSIG	Time Defl. Temp. Corr.	PSIG	Time Defl. Temp. Corr.	PSIG	Time Defl. Temp. Corr.	PSIG	Time Defl. Temp. Corr.	PSIG	Time Defl. Temp. Corr.	PSIG	Time Defl. Temp. Corr.	PSIG
$\log \frac{t+\theta}{t}$	$\log \frac{t+\theta}{t}$	$\log \frac{t+\theta}{t}$	$\log \frac{t+\theta}{t}$	$\log \frac{t+\theta}{t}$	$\log \frac{t+\theta}{t}$	$\log \frac{t+\theta}{t}$	$\log \frac{t+\theta}{t}$	$\log \frac{t+\theta}{t}$	$\log \frac{t+\theta}{t}$	$\log \frac{t+\theta}{t}$	$\log \frac{t+\theta}{t}$	$\log \frac{t+\theta}{t}$	$\log \frac{t+\theta}{t}$	$\log \frac{t+\theta}{t}$	$\log \frac{t+\theta}{t}$	$\log \frac{t+\theta}{t}$	$\log \frac{t+\theta}{t}$
0	.000	708	.000	1115	.000	1270	.000										
1	.0067	747	.0067	2147	.0739	1764**											
2	.0134	818	.0134	2212	.1411	2046											
3	.0201	902	.0202	2248	.2083	2184											
4	.0268	974	.0269	2267	.2755	2257											
5	.0335	1048	.0336	2281	.3427	2279											
6	.0400	1115	.0403	2294	.4100	2273											
7			.0470	2303													
8			.0538	2309													
9			.0605	2315													
10			.0672	2319													
11			.1680	2345													
12			.2688	2356													
13			.3696	2360													
14			.4704	2362													
15			.5040	2362													
0	.000	868	.000	1230	.000	1389											
1	.0067	877	.0067	2197	.0736	1857**											
2	.0134	946	.0134	2290	.1405	2133											
3	.0201	1019	.0201	2328	.2074	2270											
4	.0268	1091	.0268	2351	.2743	2340											
5	.0335	1164	.0335	2367	.3412	2363											
6	.0400	1230	.0402	2380	.4080	2357											
7			.0469	2386													
8			.0535	2392													
9			.0602	2398													
10			.0669	2402													
11			.1673	2434													
12			.2677	2440													
13			.3681	2444													
14			.4685	2446													
15			.5020	2448													

REMARKS: \* First 10 intervals equal to 1 minute each; next 4 intervals equal to 15 minutes each; last interval equal to 5 minutes \* Only 75 minutes segmented \*\*-First interval equal to 11 minutes.

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